

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A method of discovery of
2 devices on a network, which network comprises a plurality of
3 devices, at least some of which are managed, at least one
4 unmanaged phone, and a telephone controller, said method
5 comprising the steps of: establishing an address for each of
6 the managed devices, the telephone controller, and ~~the or~~
7 ~~each-said one phone so as to define a plurality of~~
8 addresses, establishing ~~the a~~ type of each managed device in
9 the network, (determining which of the remaining devices are
10 phones by accessing ~~the~~ relevant information in the
11 ~~discovered~~ telephone controller by establishing
12 correspondence between ~~the or each-said one phone~~ and its
13 address, and using ~~this informationsaid~~ correspondence to
14 provide a display of ~~the~~ topology of the network including
15 ~~the or each-said one phone.~~

1 Claim 2 (original): A method as claimed in claim 1 in which
2 the telephone controller is accessed to obtain information
3 stored in a memory of the telephone controller.

1 Claim 3 (original): A method as claimed in claim 1 in which
2 said addresses comprise MAC addresses.

1 Claim 4 (currently amended): A method as claimed in claim 1
2 ~~including the further~~ comprising the step of discovering and

3 displaying the topology ~~of an arrangement~~ wherein a single
4 port of a managed device is connected to a phone and a
5 further non-phone device.

1 Claim 5 (currently amended): A method as claimed in claim 1
2 ~~including further~~ comprising the step of converting
3 information relating to the devices, the telephone
4 controller, and ~~the phones~~ said one phone into a visual
5 display on a visual display apparatus representing ~~the a~~
6 physical relationship ~~between among~~ the devices, ~~for the~~
7 telephone controller and ~~the phones~~ said one phone.

1 Claim 6 (currently amended): A computer program on a
2 computer readable medium loadable into a digital computer ~~or~~
3 ~~embodied in a carrier wave~~, said computer program comprising
4 software for performing the method of claim 1.

1 Claim 7 (currently amended): A computer program on a
2 computer readable medium or embodied in a carrier wave for
3 use in discovery of devices on a network, which network
4 comprises a plurality of devices, at least some of which are
5 managed, at least one unmanaged phone, and a telephone
6 controller, said computer program comprising:

7 program step for establishing an address for ~~the or~~
8 each of the managed device devices;

9 program step for establishing an address for the
10 telephone controller;

11 program step for establishing an address for ~~the or~~
12 ~~each~~ said one phone;

13 program step for determining which of the remaining
14 devices are phones by accessing ~~the~~ relevant information in
15 the ~~discovered~~ telephone controller and establishing

16 ~~correspondence between the or each said phone~~ each of said
17 phones and its address; and
18 program step for using ~~this information said~~
19 correspondence to provide a display of ~~the a~~ topology of the
20 network including ~~the or each said one~~ phone.

1 Claim 8 (original): A program as claimed in claim 7 in
2 which the telephone controller is accessed to obtain
3 information stored in a memory of the telephone controller.

1 Claim 9 (currently amended): A program as claimed in
2 claim 7 in which said addresses comprise ~~the a~~ MAC address.

1 Claim 10 (currently amended): A program as claimed in
2 claim 7 ~~including the further~~ comprising the program step of
3 discovering and displaying the topology ~~of an arrangement~~
4 wherein a single port of a managed device is connected to an
5 Ethernet phone and a further non-phone device.

1 Claim 11 (currently amended): A program as claimed in
2 claim 7 ~~including the further~~ comprising the program step of
3 converting information relating to the devices, the
4 telephone controller, and the telephones into a visual
5 display on a visual display apparatus representing ~~the a~~
6 physical relationship ~~between among~~ the devices, the
7 telephone controller and the phones.

1 Claim 12 (currently amended): A computer program on a
2 computer readable medium or embodied in a carrier wave for
3 use in discovery of devices on a network, which network
4 comprises a plurality of devices, at least one of which is

5 managed, at least one unmanaged phone, and a telephone
6 controller, said computer program comprising:

7 a program step to discover the network, including the
8 managed devices, the telephone controller and to establish
9 the MAC addresses of unmanaged phones;

10 a program step to obtain information from the telephone
11 controller containing an association of MAC address(es)
12 addresses to the or each of said phone phones;

13 a program step to find ports of devices with MAC
14 address addresses of said phones; and

15 a program step to determine, in respect of a port on
16 which a MAC address of one of a phone said phones is
17 present, if there is only single MAC address;

18 if yes, a program step to display a phone icon and
19 relevant details connected directly to the port; and

20 if no, a program step to determine if there are
21 two first and second MAC addresses and if one the first MAC
22 address is associated is a phone with one of said phones;

23 if yes, a program step to provide a display of a
24 device with the second MAC address connected to the network
25 via an icon of the phone; and

26 if no, a program step to display an unmanaged
27 aggregator display cloud.

1 Claim 13 (original): A computer program embodied in a
2 carrier wave, said computer program comprising software for
3 performing the method of claim 1.

1 Claim 14 (currently amended): A computer network comprising
2 a plurality of devices, at least some of which are managed,
3 at least one unmanaged phone, and a telephone controller,
4 including: means for establishing an address for each of the

5 managed devices, the telephone controller and ~~the or each~~
6 said one phone, means for establishing ~~the a~~ type of each
7 managed device in the network, means for determining which
8 of the remaining devices are phones by means for accessing
9 ~~the relevant~~ information in the ~~discovered~~ telephone
10 controller by establishing correspondence between ~~the or~~
11 each ~~said one~~ phone and its address, and means for using
12 ~~this information~~ said correspondence to provide a display of
13 ~~the topology~~ of the network including ~~the or each~~ said one
14 phone.

1 Claim 15 (original): A computer network as claimed in
2 claim 14 in which the telephone controller is accessed to
3 obtain information stored in a memory of the telephone
4 controller.
